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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/713,665	11/17/2003	Milan J. Vavra		9840

7590

11/29/2005

Milan Vavra  
235 Juanita Ct  
Santa Rosa, CA 95401-9047

EXAMINER

SWIATEK, ROBERT P

ART UNIT

PAPER NUMBER

3643

DATE MAILED: 11/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/713,665	<b>Applicant(s)</b> VAVRA, MILAN J.	
	<b>Examiner</b> Robert P. Swiatek	<b>Art Unit</b> 3643	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 01 October 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 October 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |                                                                                                                        |                                                                                         |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                            | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input checked="" type="checkbox"/> Other: <u>"Sample Format"</u> .                  |

### **DETAILED ACTION**

This action is responsive to amended claims 1-9 filed 1 October 2004, which are considered to supplant earlier versions of claims 1-9 filed 17 November 2003 and 22 April 2004. It is noted the claims lack the proper status identifiers (see below). Any new claims in this application must begin with claim *10*.

The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

#### **Arrangement of the Specification**

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT
- (e) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC (See 37 CFR 1.52(e)(5) and MPEP 608.05. Computer program listings (37 CFR 1.96(c)), "Sequence Listings" (37 CFR 1.821(c)), and tables having more than 50 pages of text are permitted to be submitted on compact discs.) or  
REFERENCE TO A "MICROFICHE APPENDIX" (See MPEP § 608.05(a). "Microfiche Appendices" were accepted by the Office until March 1, 2001.)
- (f) BACKGROUND OF THE INVENTION.
  - (1) Field of the Invention.
  - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (g) BRIEF SUMMARY OF THE INVENTION.
- (h) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (i) DETAILED DESCRIPTION OF THE INVENTION.
- (j) CLAIM OR CLAIMS (commencing on a separate sheet).

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- (k) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (l) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

The disclosure is objected to because of the following informalities: On page 10, the brief description of the drawings fails to clearly and adequately describe each figure; each figure must be described concisely as to what is being shown and from what perspective—the presence of cutaway views or cross sections must be indicated. The following reference numerals have each been used twice to designate different elements, which is improper: 04, 06, 18, 19; for example, on page 12, line 1, numeral "06" is used to designate power units while in lines 13, 14 it designates "it's own engine." On page 3, line 7, of the specification, the word –and– should be inserted between the comma and "trying," in line 12, "a" should be deleted; on page 4, line 1, "be" should be deleted.

Appropriate correction is required.

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

The abstract of the disclosure is objected to because it should consist of only a single paragraph (the current abstract seems to consist of three paragraphs). Correction is required.

See MPEP § 608.01(b).

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Claims 1-9 are rejected as failing to define the invention in the manner required by 35 U.S.C. 112, second paragraph.

The claim(s) are narrative in form and replete with indefinite and functional or operational language. The structure which goes to make up the device must be clearly and positively specified. The structure must be organized and correlated in such a manner as to present a complete operative device. The claim(s) must be in one sentence form only. Note the format of the claims in the patent(s) cited. Applicant's series of informal claims should be canceled and replaced with one or more claims precisely setting forth the structure of applicant's invention in a clear and understandable manner and must include the proper "status" identifiers—such as *canceled* or *currently amended*—as set forth in the attached "Sample Format."

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-9, as understood, are rejected under 35 U.S.C. 103(a) as being unpatentable over Day (US 5,203,521) in view of Lent (US 2,801,058). The Day circular aircraft includes an annular body 11 in the form of an airfoil 15-18, a central propeller 32, spoilers 34, and a continuous lower slot (see column 5, lines 37-40, of Day) that serves to direct fluid into a central passageway 12. The aircraft of Day lacks counter rotating propellers as well as a turbine for horizontal acceleration. It would have been obvious to one skilled in the art to provide the Day aircraft with a horizontally-mounted turbine engine, in view of the patent to Lent that such an

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element enhances maneuverability and transverse motion of a circular aircraft. Use of counter rotating central propellers with the Day aircraft would have been obvious to one skilled in the art wishing to minimize torque induced by use of a single rotor.

The drawings are objected to because Figures 3 and 4 should not include lists of reference numerals and the elements to which they correspond. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

If a response to this action is contemplated, applicant should note the included seven-page "Sample Format for Revised Amendment Practice," which describes the format amendments must have when they are filed in the Office. This sample format is drawn to a hypothetical bucket and is not specific to applicant's toroidal vehicle.

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The patents to Salas (US 6,572,053 B2) and Arrieta (US 6,669,138 B1) have been cited to provide additional examples of circular aircraft.

RPS: ①571/272-6894

21 November 2005

*Robert P. Swiatek*

ROBERT P. SWIATEK  
PRIMARY EXAMINER  
ART UNIT ~~333~~ 3643

**SAMPLE FORMAT FOR REVISED AMENDMENT PRACTICE**

**(Rev. 6/03)**

Appl. No. : XX/YYY,YYY Confirmation No. WXYZ  
Applicant : James Q. Inventor  
Filed : April 19, 2003  
TC/A.U. : 1744  
Examiner : John Doe  
Docket No. : 12345/JAS/R758  
Customer No. : 88888

Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

**AMENDMENT**

Sir:

In response to the Office action of October 16, 2003, please amend the above-identified application as follows:

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 3 of this paper.

**Amendments to the Drawings** begin on page 4 of this paper and include both an attached replacement sheet and an annotated sheet showing changes.

**Remarks/Arguments** begin on page 5 of this paper.

An **Appendix** including amended drawing figures is attached following page 5 of this paper.



**Amendments to the Specification:**

Please replace paragraph [0021] with the following amended paragraph:

[0021] In the construction of the bucket of this invention, various materials have been selected ~~[[and]]~~ which offer a number of diverse properties ~~[[ , ]]~~ and allow for varied functions of the article. For caustic solutions, the bucket can be made of a durable ~~polymer~~ plastic material. Where an aesthetic appeal is desired, the bucket can be any ~~[[of]]~~ one of many attractive colors. The following ~~listing~~ list of properties serves to define possible uses for the buckets.

Please replace paragraph [0045] with the following amended paragraph:

[0045] Figure 1 displays a bucket of the invention. As can be seen from the drawing, ~~the~~ a handle is attached to the upper lip of the structure and connected at points diametrically opposite each other on the circumference.

Please add the following new paragraph after paragraph [0075]:

[0075.1] An optional feature of the articles of the invention is the addition of a tetrafluoroethylene coating to the bucket to provide protection from any contents which might be caustic. The coating can be provided to the surface during the manufacturing process or can be added in a later step.

Please delete the paragraph beginning at page 2, line 4, which starts with "Under normal circumstances"

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-5 (canceled)

Claim 6 (previously presented): A bucket with a handle.

Claim 7 (withdrawn): A handle comprising an elongated wire.

Claim 8 (withdrawn): The handle of claim 7 further comprising a plastic grip.

Claim 9 (currently amended): A bucket with a ~~green~~ blue handle.

Claim 10 (original): The bucket of claim 9 wherein the handle is made of wood.

Claim 11 (canceled)

Claim 12 (not entered)

Claim 13 (new): A bucket with plastic sides and bottom.

Appl. No. XX/YYY,YYY  
Amdt. dated Jan. 15, 2004  
Reply to Office action of Oct. 16, 2003

**Amendments to the Drawings:**

The attached sheet of drawings includes changes to Fig. 2. This sheet, which includes Fig. 1-2, replaces the original sheet including Fig. 1-2. In Figure 2, previously omitted element 13 has been added.

Attachment:      Replacement Sheet  
                     Annotated Sheet Showing Changes

**REMARKS/ARGUMENTS**

In the specification, the paragraphs [0021] and [0045] have been amended to correct minor editorial problems. The new paragraph [0075.1] added after paragraph [0075] discusses in general terms the features taken from Example 4.

In amended Figure 2, the previously omitted element numeral 13 has been added.

Claims 6-10 and 12-13 remain in this application. Claims 1-5 and 11 have been canceled. Claims 7 and 8 have been withdrawn.

The examiner has acknowledged that claims 6 and 9-10 are directed to allowable subject matter. Claim 7-8 have been withdrawn as the result of an earlier restriction requirement. Claim 13 adds an additional feature from Example 2 in the specification.

In view of the examiner's earlier restriction requirement, applicant retains the right to present claims 7-8 in a divisional application .....

.....  
.....

Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

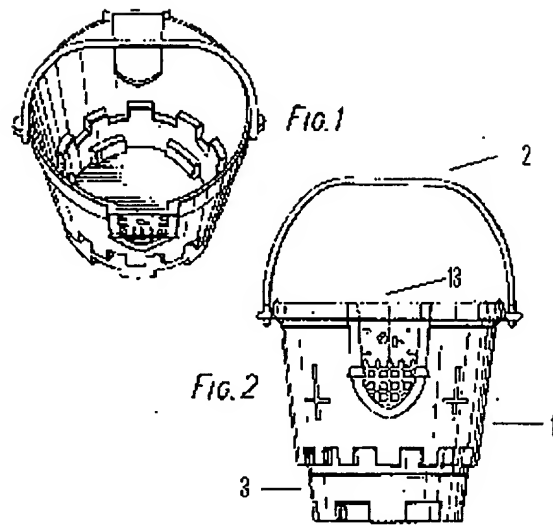
Respectfully submitted,

SMITH, JONES & BROWN

By \_\_\_\_\_

Martin J. Gallagher  
Reg. No. 99,999  
Tel.: (101) 555-2345

Attachments



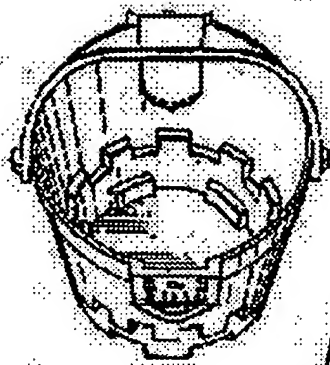


FIG. 1

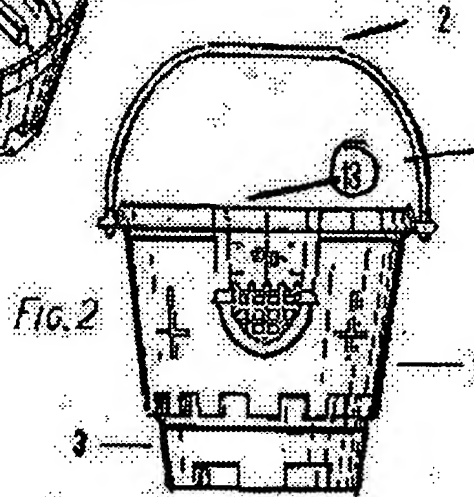


FIG. 2

Element 13  
added